

FIG. 1

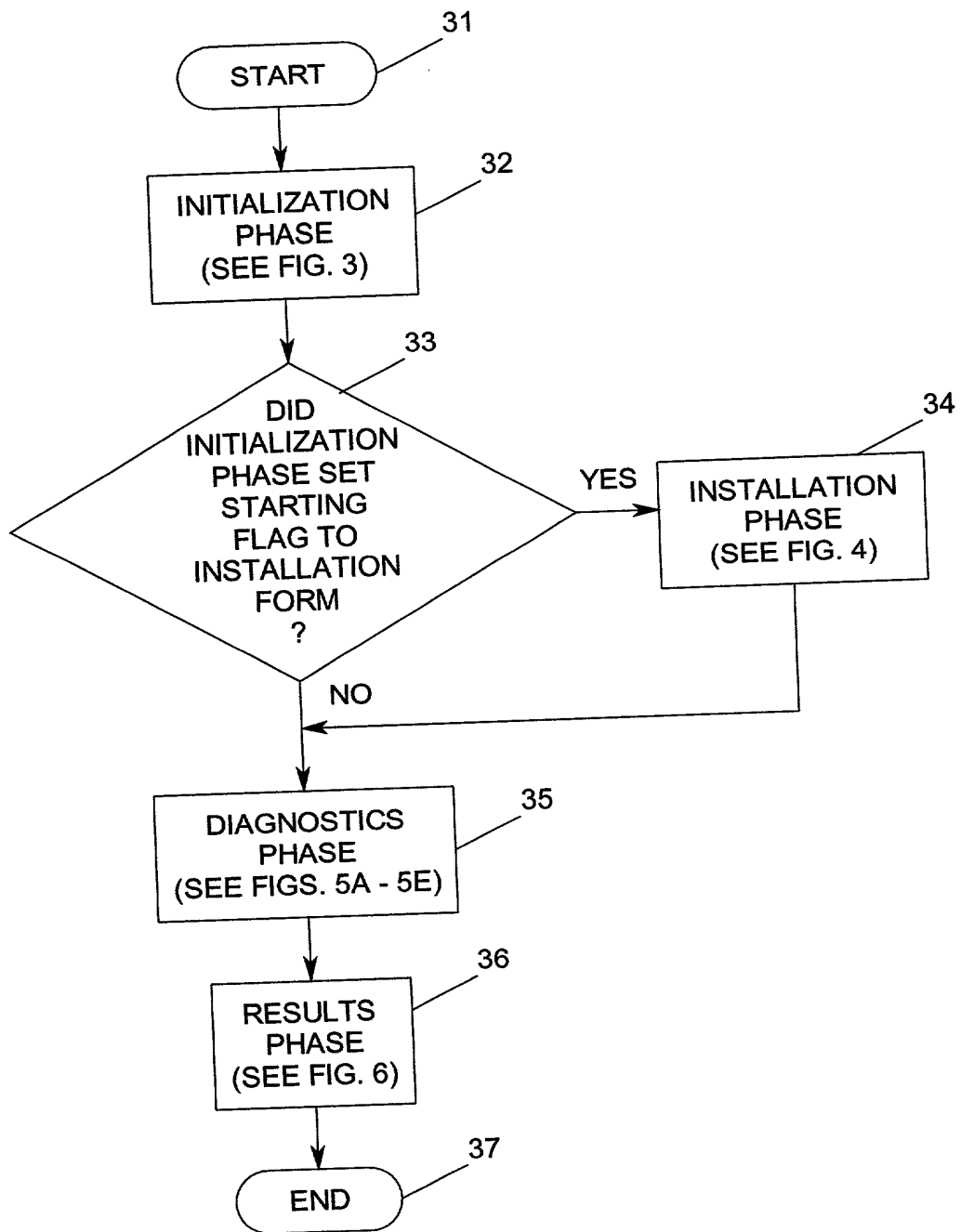
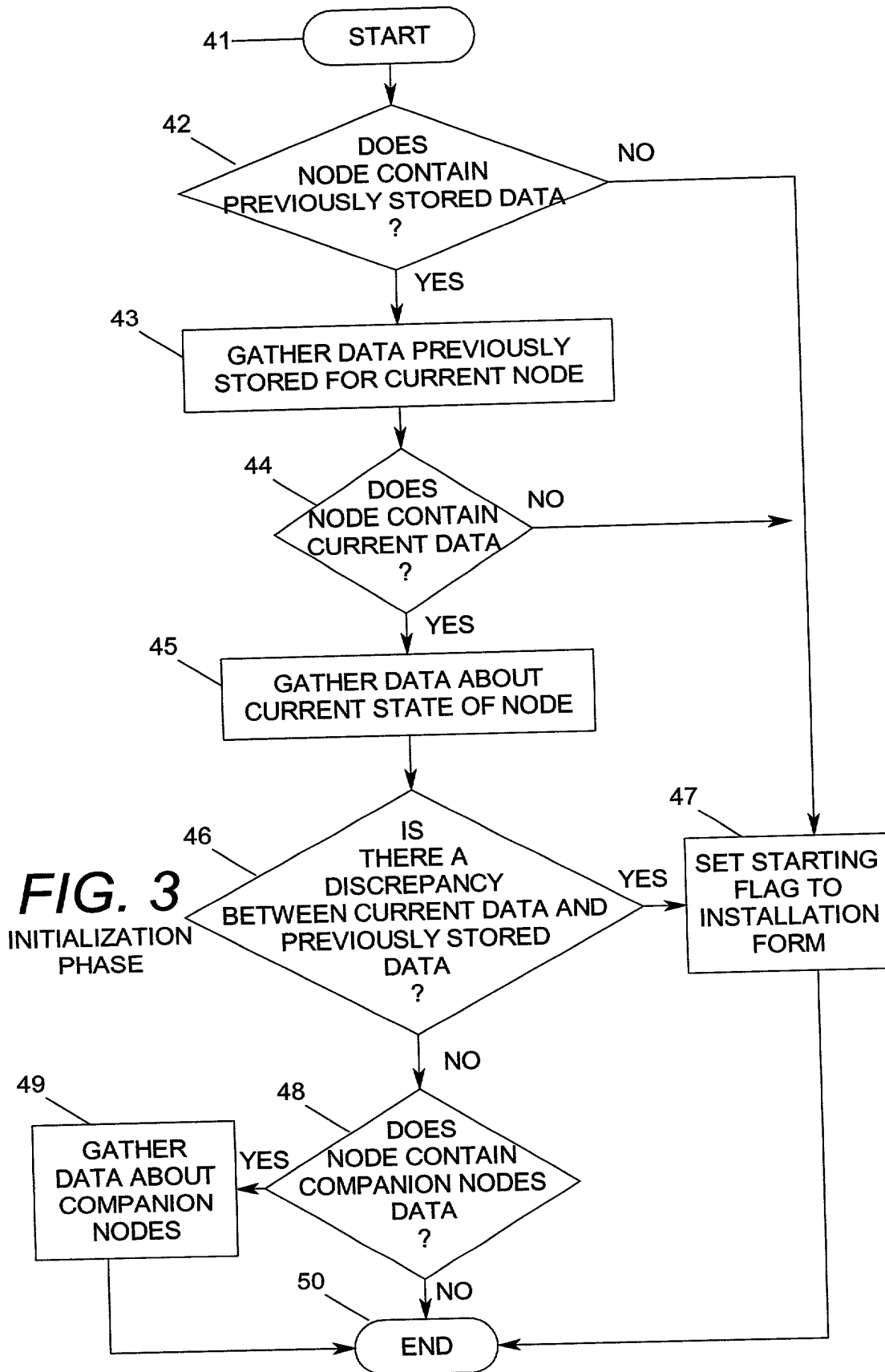


FIG. 2



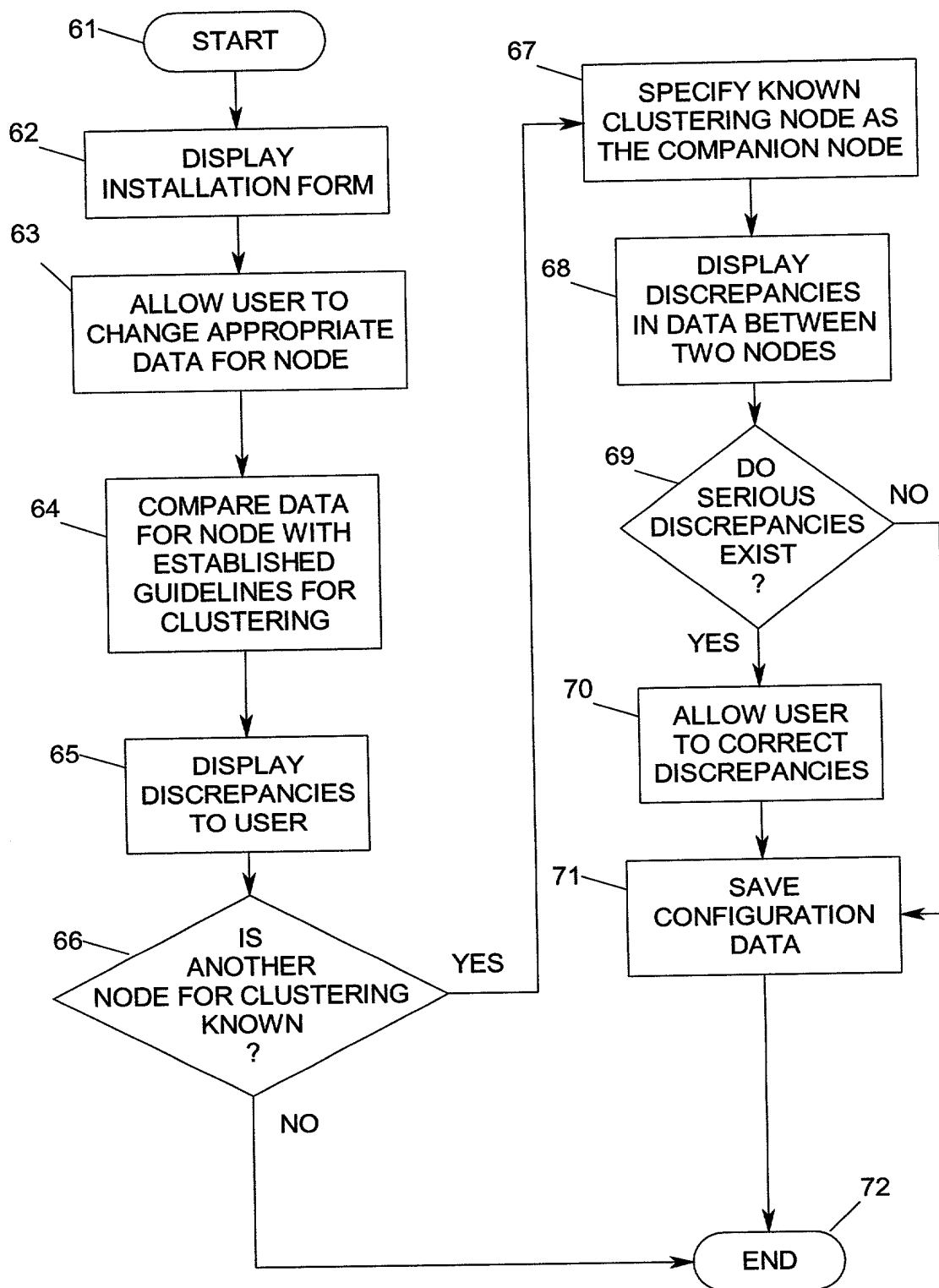


FIG. 4
INSTALLATION PHASE

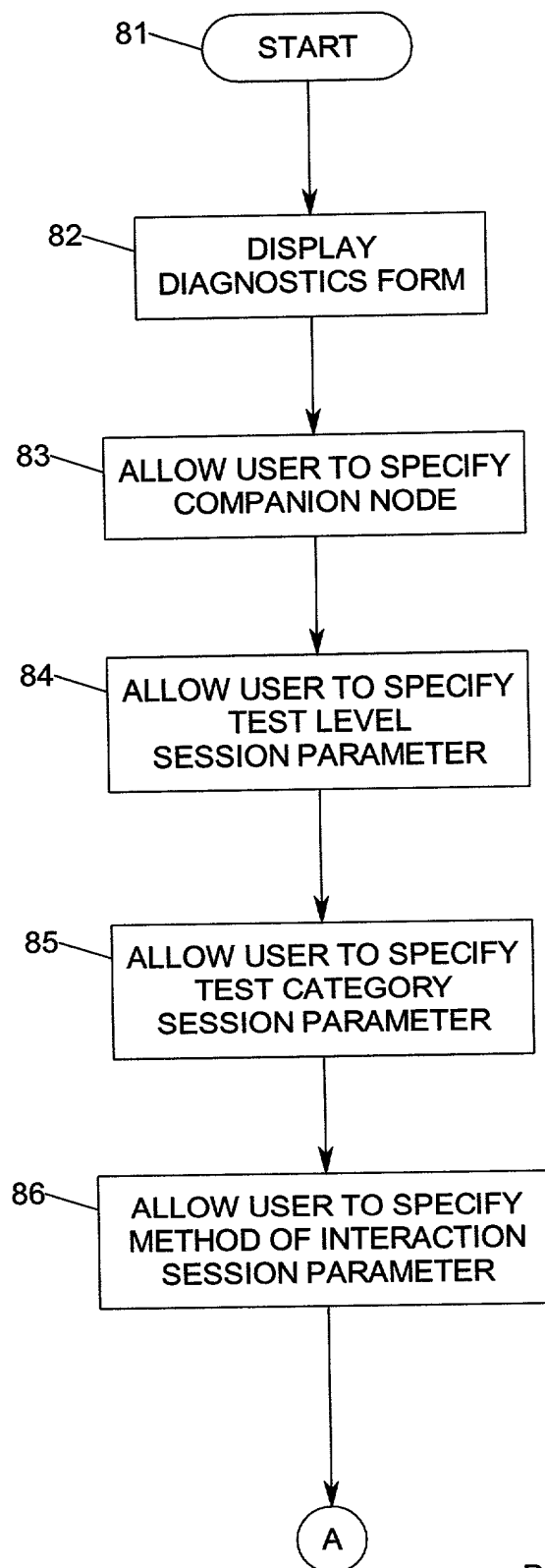


FIG. 5A
DIAGNOSTICS PHASE

FIG. 5B

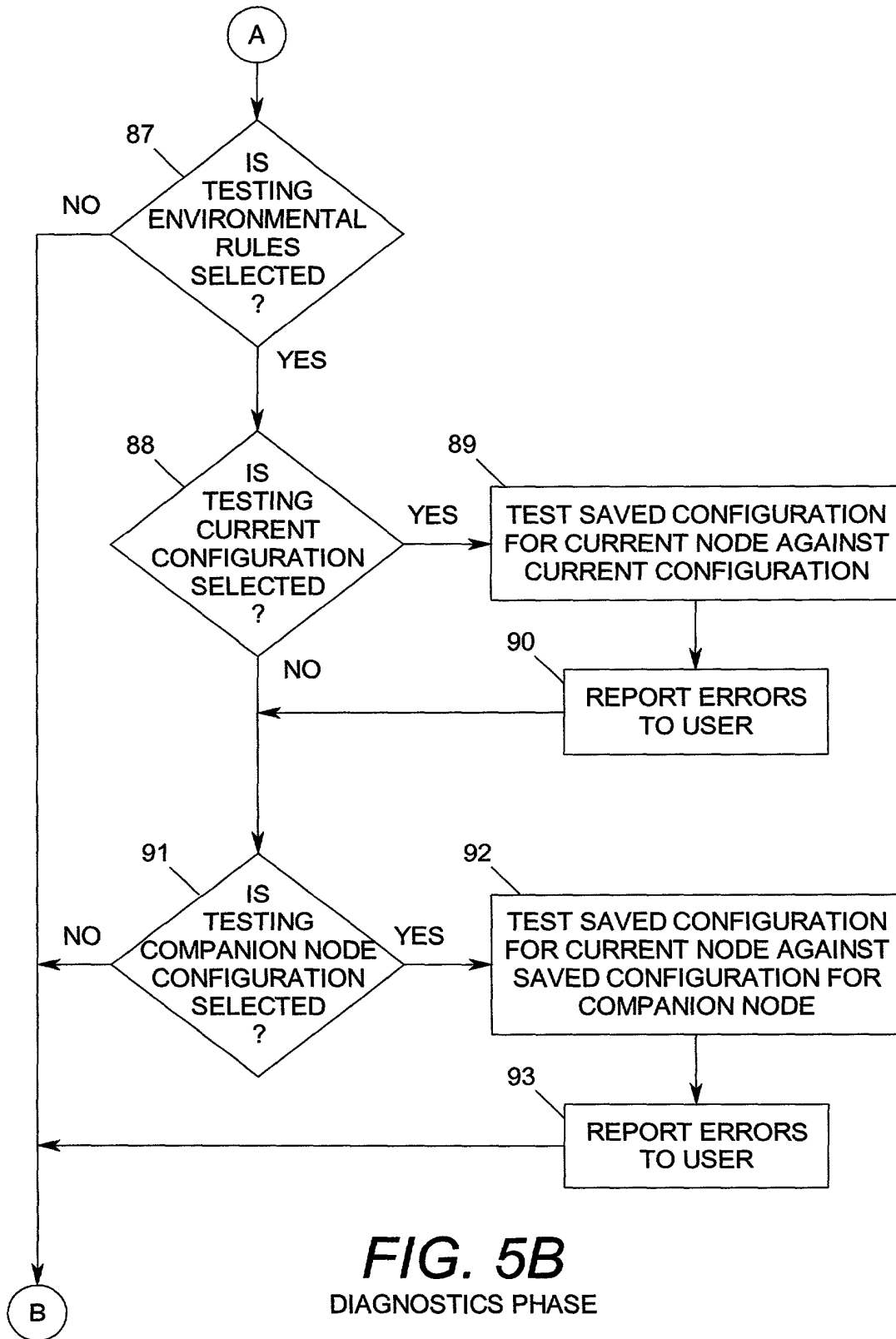


FIG. 5B
DIAGNOSTICS PHASE

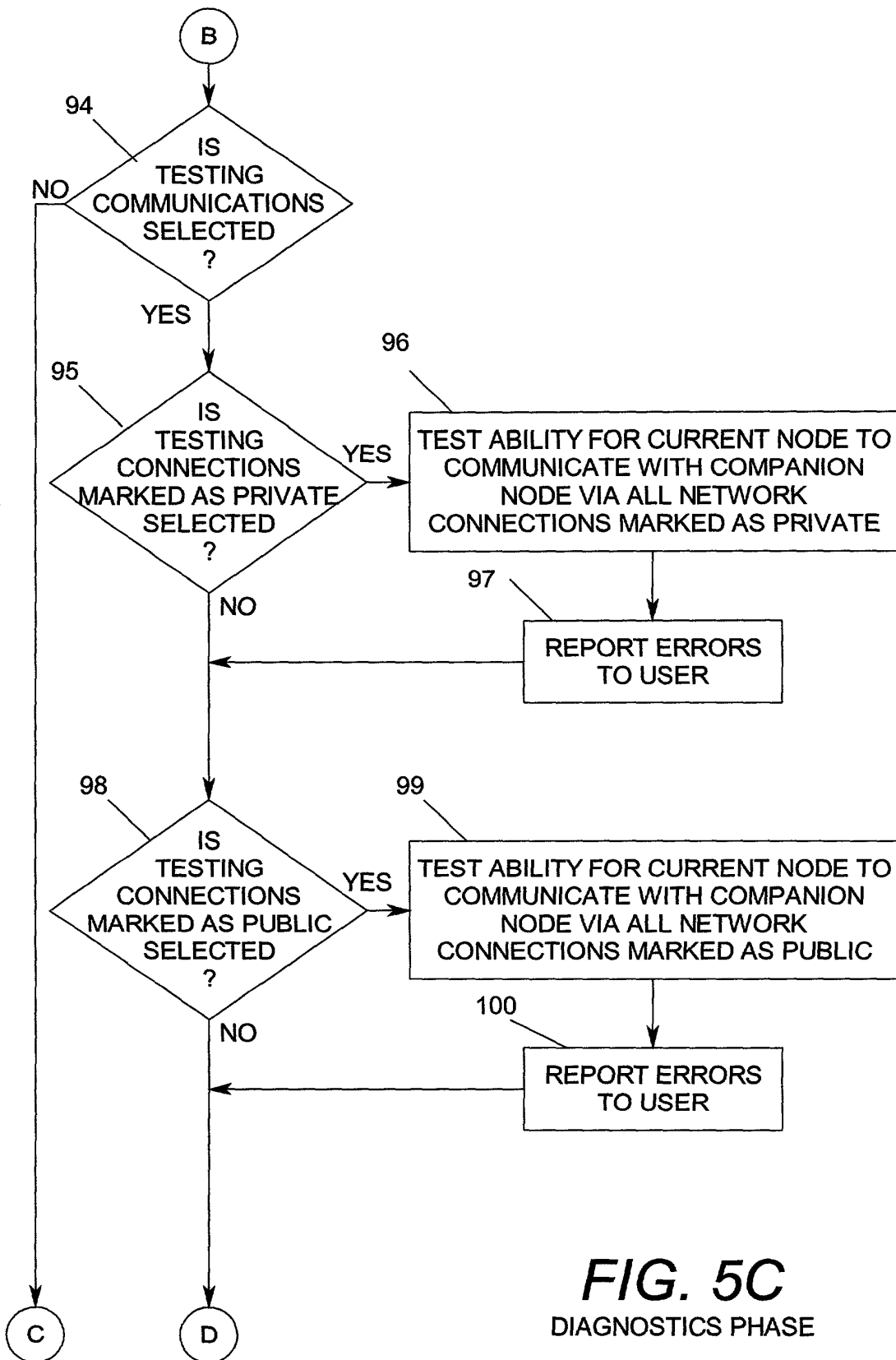


FIG. 5C
DIAGNOSTICS PHASE

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graph TD
    C((C)) --> E((E))
    D((D)) --> 101{101  
IS TESTING  
CONNECTIONS MARKED  
AS BOTH PRIVATE AND  
PUBLIC SELECTED ?}
    101 -- YES --> 102[102  
TEST ABILITY FOR CURRENT  
NODE TO COMMUNICATE  
WITH COMPANION NODE VIA  
ALL NETWORK CONNECTIONS  
MARKED AS BOTH PRIVATE  
AND PUBLIC]
    102 --> 103[103  
REPORT ERRORS  
TO USER]
    103 --> 104{104  
IS TESTING  
CONTROLLER NODE  
SELECTED ?}
    101 -- NO --> 104
    104 -- YES --> 105[105  
TEST ABILITY FOR CURRENT  
NODE TO COMMUNICATE WITH  
CONTROLLER NODE FOR  
PORTION OF NETWORK WHERE  
CONTROLLER NODE RESIDES]
    105 --> 106[106  
REPORT ERRORS  
TO USER]
    104 -- NO --> 107{107  
IS TESTING  
COMMAND EXECUTION  
SELECTED ?}
    107 -- YES --> 108[108  
TEST ABILITY FOR CURRENT  
NODE TO EXECUTE  
COMMANDS ON COMPANION  
NODE]
    108 --> 109[109  
REPORT ERRORS  
TO USER]
    107 -- NO --> E
    109 --> E

```

DIAGNOSTICS PHASE

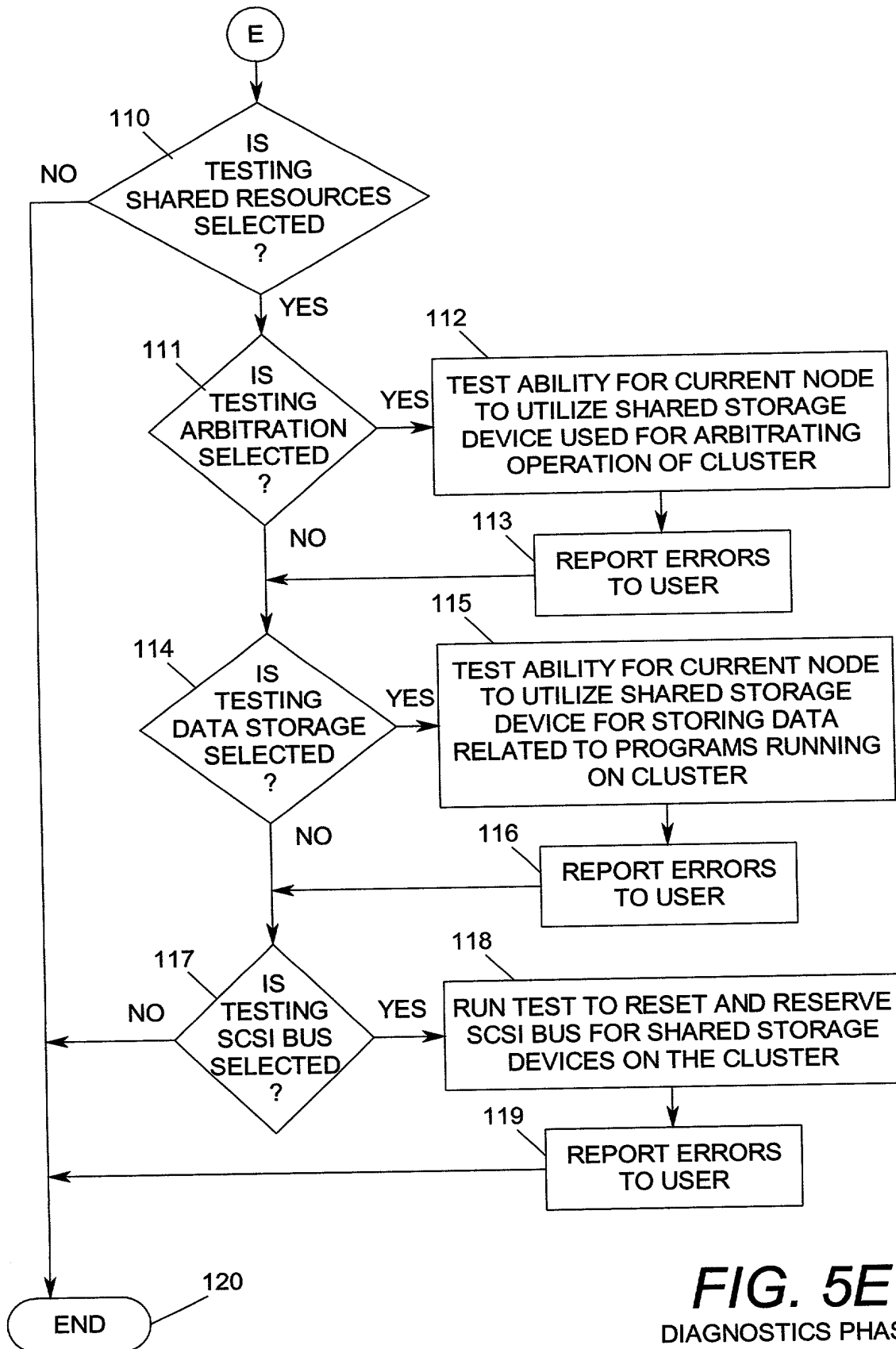


FIG. 5E
DIAGNOSTICS PHASE

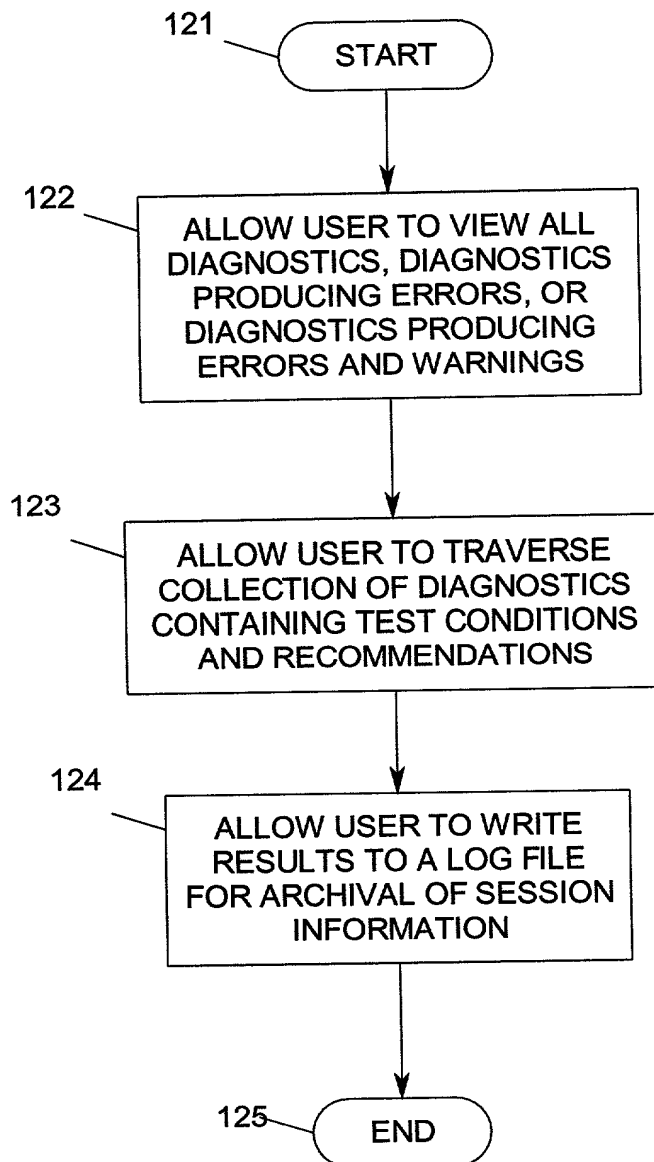


FIG. 6
RESULTS PHASE